ECLIPSE

PrEventing and Combating onLine and offline hate speech and dIsinformation through multidisciPlinary innovation, education, and awareneSs in Europe

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Project Background

The ECLIPSE project aims to prevent and counter hate speech and mis/disinformation both online and offline across Europe. By integrating advanced technologies with insights from social, behavioural, criminological, and legal sciences, the project collaborates with Law Enforcement Authorities (LEAs), Civil Society Organisations (CSOs), and international organisations to analyse harmful and false content online. It deploys counter-narratives via Natural Language Processing (NLP), Social Network Analysis (SNA), and Natural Language Generation (NLG) technologies to support practical interventions in real-world contexts.

ECLIPSE also employs AR/XR gamification for training, addressing societal impacts, enhancing security, and delivering policy recommendations. Its ultimate goal is to raise awareness among European citizens and promote the adoption and scalability of its solutions at national, EU, and international levels.

A Multidisciplinary Vision

APPROACH

Integrate cutting-edge Artificial Intelligence with deep insights from Social Sciences and Humanities (SSH), criminology, and behavioural science.

VISION

Empowering LEAs and CSOs with tools to identify hate speech, generate counter-narratives, and protect fundamental rights in Europe.

FOCUS

Target both virtual and real-world impact simultaneously, moving beyond pure content moderation to address root behaviours.

ECLIPSE Toolbox

INTEGRATED FRAMEWORK

- Combining advanced AI and non-AI technologies
- Designed to operate across multiple languages and cultural contexts

CAPABILITIES

- Enables end-users to detect harmful content
- Map complex dissemination networks
- Deploy context-sensitive interventions to safeguard digital and physical communities

PERCEPTIONS TOOL (NLP)

Processes large datasets from social media and news platforms. Features state-of-the-art emotion detection and topic modelling (EN, FR, DE, IT) to accurately identify hate speech & mis/disinformation.

SOCIAL NETWORKS TOOL (SNA)

Maps complex relationships within digital communities to identify key influencers, expose coordinated automated behaviours, and track the spread of fake news for targeted interventions.

COUNTERACTION TOOL (NLG)

Utilizes Natural Language Generation to craft context-sensitive, multilingual counter-narratives. Built on a strict Human-in-the-Loop (HITL) design to ensure human oversight and ethical alignment.



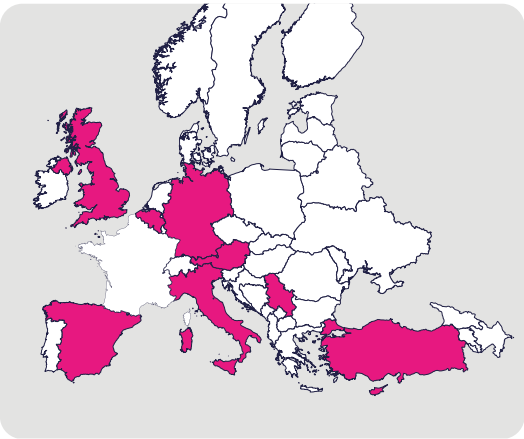
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Project Consortium



Project Facts

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